Scott. II 27—40,000—14-10-31

Development (1937) Department.

MS SERIES.

G.O. No. 286

DATED 5/2/1937

[Despatch Abstract.]

Agriculture — Pests & diseases Act — Potato disease on arecanuts — Control — Research work — Apparatus & Sanctioned

C.F. 30.

AGRICULTURAL DEPARTMENT.

Received 20 JAN 1937 19 . Registered Dev. SO) 5 19 .
20.1.37

Subject.

Mahali disease on arecanuts - Research work to be done by the Government Mycologist - Sanction for the purchase of apparatus and materials - Requested.

Enclosures.
No.
Spare copies

R.O.C. No. D.3.1426.36.

Station Madras, *Dated the* 18th January 19 37.

From (Name) M.R.RY. RAO BAHADUR D.ANANDA RAO GARU, B.Sc.

(Designation) Director of Agriculture, Madras.

To The Secretary to the Government of Madras,

Development Department.

Sir,

REFERENCE:-G.O.No.Ms.2265 Development, dated the 12th December 1936.

In slight modification of the programme of work, the following are the items of research proposed to be don by the Government Mycologist in connection with the contro of Mahali disease on arecanuts in South Kanara District.

1. The saprophytic life of the fungus in the soil.
2. 'Over wintering' of the fungus in relation to its longevity (a) on host materials (b) in soil.
3. Study of alternate hosts:
   (a) Field observations.
   (b) Inoculations in the laboratory.
4. Hydrogen-ion relations of the fungus.

5. Humidity and temperature relations of the fungus.

6. Study of the flight of resting spores and sporangia in areca gardens by means of aeroscopes.

7. Trial of different fungicides and adhesives.

These items, which are of a fundamental nature, have to be done in a well equipped laboratory and a wide range of apparatus has to be used some of which can be borrowed from the other laboratories in the Agricultural College and Research Institute, Coimbatore, but the following should be purchased:-

		Cost.
1.	6 dozen Erlenmeyer flasks (1000 c.c.).	Rs. 105
2.	6 dozen petri dishes (12 c.m.).	90
3.	2 dozen moist chambers. ..	120
4.	1 gross boiling tubes. ..	60
5.	1 maximum and minimum thermometer.	10
6.	1 recording Hygrometer (0 to 55°C).	240
7.	1 wet and dry bulb thermometer.	10
8.	3 binocular telescopes.* ..	300
9.	6 aeroscopes.	18
10.	2 dozen 1 c.c. pipettes.	
11.	1 dozen 5 c.c. pipettes. ..	25
12.	1 Refrigerator.	1000
13.	2 dozen glass basins.	30
	Total. Rs.	2008

2. I request that Government may be pleased to sanction the purchase of the above mentioned apparatus at a cost not exceeding Rs.2000 (Rupees Two Thousand only). The expenditure can be met from the savings in the budget for the current year. All the items, except No.3, are available in India.

3. As the apparatus and materials are required immediately

immediately, I request the favour of very early orders of Government.

I have the honour to be,

S i r,

Your most obedient servant,

K. J. Adwa
19/1/37

for DIRECTOR OF AGRICULTURE.

S.L.**

Devt. Dept.

Mahali disease on arecanuts - Research work for the control of the pest - Purchase of apparatus and materials.

C.No. 4807 III/37:-- From the D.A., R.C.No. D.3-1426-36, dated 18-1-37.

To A.S.

Please see the letter from the D.A. in the c.f.

In connection with the control of the Mahali pest in the arecanut gardens of the S.Kanara Dt., the Govt. approved the proposals of the D.A. for conducting certain research work on the life history of the fungus, etc. mentioned in under item III on page 14 of G.O.No. 2265 Devt. d. 12-12-36. The D.A. now reports that certain other items of research work mentioned in para. 1 of his letter at pages 1-2 c.f. are also to be done in addition to those mentioned at page 14 of the G.O. For carrying out the research work the D.A. reports that in addition to the apparatus that can be borrowed from the laboratories at the Agrl. College and Research Institute, Coimbatore, certain other materials and apparatus costing about Rs.2,308, details of which are furnished on page 2 c.f., are also required. The D.A. requests sanction for the purchase of the apparatus during the current year at a cost not exceeding Rs.2,000. He further states that the expenditure can be met from the savings available in the current year's budget.

In the circumstances explained the Dir's proposals may be sanctioned. A draft order is submitted for approval. It may be sent to Finance for acceptance.

ASSTANT SECRETARY TO GOVERNMENT
3- FEB 1937
DEVELOPMENT DEPARTMENT

3-2-37

Dev. 4.8.507 III/37-1
26-1-37

22-1-37 25.1.37

RS 25-1-37

Finance (Expdre)

The draft order may be accepted.

Dev. 858 III
3.2.37

27.1.37 29.1.37 A2

1.2.37

Dev.

5 ~~2~~

Secret Dept

To A.S.

The draft order may now issue.

4-2-37 4.2.37

Issue
RR
4237

Section II-5 (b)—15,006—5-11-29.

12/5/37

6 Devt. DEPARTMENT.

	Date.	Initials.
When received for Fair-copying.		
When copied ..		
When examined ..		
When signed ..		
When despatched ..		

Agriculture - Pests and Diseases Act - Mahali disease on arecanuts - Control - Research work - Purchase of apparatus and materials - Sanctioned.

READ AGAIN G.O. No. Ms. 2265, dated 12-12-36 (F) 19 .

" " " " " " 19 .

READ ALSO:—

C. No. 507 III From the D.A. R.O.C., No. D.3-1426/36 of, dated 18-1-37 19

" " " " " " " " 19

" " " " " " " " 19

ORDER. No. 286, dated 5-2- 1937

Ms.

Dy. 4/2/37

Vide p. 2 e.f

The Govt. sanction the purchase during the current year of the apparatus and materials detailed in para.1 of ~~his~~ their letter at a cost not exceeding Rs.2,000/- (Rupees two thousand only).

2. The expenditure should be met from the savings in the current year's provi-sion under "34.A. Agriculture".

RS 25/2/37

To the D.A. ✓

" A.G. through Fin. (ato)

4/2/37

25-1-37